

**OPINION 2034 (Case 3087)**

***Hydrobia* Hartmann, 1821: conserved by replacement of the lectotype of *Cyclostoma acutum* Draparnaud, 1805 (currently *Hydrobia acuta*; Mollusca, Gastropoda) with a neotype; *Ventrosia* Radoman, 1977: *Turbo ventrosus* Montagu, 1803 designated as the type species; and HYDROBIINA Mulsant, 1844 (Coleoptera): spelling emended to HYDROBIUSINA, so removing the homonymy with HYDROBIIDAE Troschel, 1857 (Gastropoda)**

**Abstract.** The Commission has ruled that: (1) usage of the name *Hydrobia* Hartmann, 1821 for a genus of brackish-water prosobranch gastropods is conserved by replacement of the lectotype of its type species, *Cyclostoma acutum* Draparnaud, 1805, by a neotype; (2) *Turbo ventrosus* Montagu, 1803 is designated the type species of the nominal genus *Ventrosia* Radoman, 1977 and the lectotype designation for *T. ventrosus* by Bank, Butot & Gittenberger (1979) is validated; and (3) the homonymy between the family-group names HYDROBIIDAE Troschel, 1857 (Gastropoda) and HYDROBIINA Mulsant, 1844 (Coleoptera) is removed by emending the stem of the generic name *Hydrobius* Leach, 1815 (Coleoptera) to HYDROBIUS-, leaving the gastropod name based on *Hydrobia* unchanged.

**Keywords.** Nomenclature; taxonomy; Gastropoda; Coleoptera; *Hydrobia*; *Hydrobius*; *Ventrosia*; *Hydrobia acuta*; *Hydrobia ventrosa*; *Ventrosia ventrosa*; HYDROBIIDAE; HYDROPHILIDAE; HYDROBIUSINA.

**Ruling**

- (1) Under the plenary power it is ruled that:
  - (a) all type fixations for the nominal species *Cyclostoma acutum* Draparnaud, 1805 are hereby set aside and the specimen no. 90616 in the Naturhistorisches Museum in Vienna is designated as neotype;
  - (b) all type fixations for the nominal species *Turbo ventrosus* Montagu, 1803 prior to the lectotype designation by Bank, Butot & Gittenberger (1979) are hereby set aside;
  - (c) all type fixations for the nominal genus *Ventrosia* Radoman, 1977 are hereby set aside and *Turbo ventrosus* Montagu, 1803 is hereby designated as the type species;
  - (d) for the purposes of Article 29.1 of the Code the stem of the generic name *Hydrobius* Leach, 1815 is HYDROBIUS- (Coleoptera).
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
  - (a) *Hydrobia* Hartmann, 1821 (gender: feminine), type species by subsequent designation by Gray (1847) *Cyclostoma acutum* Draparnaud, 1805;
  - (b) *Ventrosia* Radoman, 1977 (gender: feminine), type species by designation under the plenary power in (1)(c) above *Turbo ventrosus* Montagu, 1803.

- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
- (a) *acutum* Draparnaud, 1805, as published in the binomen *Cyclostoma acutum* and as defined by the neotype designated in (1)(a) above (specific name of the type species of *Hydrobia* Hartmann, 1821);
  - (b) *ventrosus* Montagu, 1803, as published in the binomen *Turbo ventrosus* and as defined by the lectotype designated by Bank, Butot & Gittenberger (1979) (specific name of the type species of *Ventrosia* Radoman, 1977).
- (4) The following names are hereby placed on the Official List of Family-Group Names in Zoology:
- (a) HYDROBIUSINA Mulsant, 1844, type genus *Hydrobius* Leach, 1815 (Coleoptera);
  - (b) HYDROBIIDAE Troschel, 1857, type genus *Hydrobia* Hartmann, 1821 (Gastropoda).
- (5) The name HYDROBIINA Mulsant, 1844 (spelling emended to HYDROBIUSINA by the ruling in (1)(d) above) is hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology (Coleoptera).

### History of Case 3087

An application to stabilise the usage of the name *Hydrobia* Hartmann, 1821 for a genus of brackish-water prosobranch gastropods by the designation of a neotype for the type species, *Cyclostoma acutum* Draparnaud, 1805, and designate *Turbo ventrosus* Montagu, 1803 as the type species of the nominal genus *Ventrosia* Radoman, 1977, and remove the homonymy between the family-group names HYDROBIIDAE Troschel, 1857 (Gastropoda) and HYDROBIINA Mulsant, 1844 (Coleoptera) by emending the stem of the generic name *Hydrobius* Leach, 1815 (Coleoptera) to HYDROBIUS-, was received from F. Giusti, G. Manganelli & M. Bodon (*Dipartimento di Biologia Evolutiva, Università di Siena, Siena, Italy*) on 9 October 1995. After correspondence the case was published in BZN 55: 139–145 (September 1998). Notice of the case was sent to appropriate journals.

A comment on the status of the type material was published in BZN 56: 56–57. Comments opposing the application were published in BZN 56: 57–62, 143–144 and BZN 58: 140–141. Comments in support of the application were published in BZN 56: 62–63, 144–148, 187–190, 268–270; BZN 58: 56–58, 301–303 and BZN 59: 128–130. An additional proposal was published in BZN 58: 58.

### Decision of the Commission

On 1 December 2002 the members of the Commission were invited to vote on the proposals as separately indicated below. At the close of the voting period on 1 March 2003 the votes were as follows:

Vote 1: the proposals set out in BZN 55: 143 para. 12(1)(a) and (3)(a): 17 Commissioners voted FOR the proposals, 4 Commissioners (Alonso-Zarazaga, Bock, Macpherson and van Tol) voted AGAINST, 3 Commissioners abstained, no vote was received from Mahnert, Ng was on leave of absence.

Vote 2: the proposals set out in BZN 55: 143 para. 12(2)(a) and (4)(b): 19 Commissioners voted FOR the proposals, 2 Commissioners (Alonso-Zarazaga and

Bock) voted AGAINST, 3 Commissioners abstained, no vote was received from Mahnert, Ng was on leave of absence.

Vote 3: the proposals set out in BZN 55: 143 para. 12(1)(b), (2)(b) and (3)(b): 19 Commissioners voted FOR the proposals, 2 Commissioners (Alonso-Zarazaga and Bock) voted AGAINST, 3 Commissioners abstained, no vote was received from Mahnert, Ng was on leave of absence.

Vote 4: the proposals set out in BZN 55: 143 para. 12(1)(c), (4)(a) and (5): 20 Commissioners voted FOR the proposals, 2 Commissioners (Alonso-Zarazaga and Bock) voted AGAINST, 2 Commissioners abstained, no vote was received from Mahnert, Ng was on leave of absence.

Vote 5: the additional proposal set out in BZN 58: 58: 18 Commissioners voted FOR the proposals, 3 Commissioners (Alonso-Zarazaga, Bock and Patterson) voted AGAINST, 3 Commissioners abstained, no vote was received from Mahnert, Ng was on leave of absence.

### Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

*acutum*, *Cyclostoma*, Draparnaud, 1805, *Histoire naturelle des mollusques terrestres et fluviatiles de la France*, p. 40.

*Hydrobia* Hartmann, 1821, *Neue Alpina, eine Schrift der Schweizerischen Naturgeschichte, Alpen- und Landwirthschaft Gewiedmet, Winterthur*, 1: 258.

HYDROBIIDAE Troschel, 1857, *Das Gebiss der Schnecken zur Begründung einer natürlichen Classification*, vol. 1, part 2, p. 106.

HYDROBIINA Mulsant, 1844, *Histoire naturelle des coléoptères de France*, vol. 3, p. 116.

HYDROBIUSINA Mulsant, 1844, *Histoire naturelle des coléoptères de France*, vol. 3, p. 116.

*Ventrosia* Radoman, 1977, *Serbian Academy of Sciences and Arts Monographs Department of Sciences*, 57: 208.

*ventrosus*, *Turbo*, Montagu, 1803, *Testacea Britannica or natural history of British shells . . .* vol. 2, p. 317.

The following is the reference for the designation of *Cyclostoma acutum* Draparnaud, 1805 as the type species of *Hydrobia* Hartmann, 1821:

Gray, J.E. 1847. *Proceedings of the Zoological Society of London*, 15: 151.